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Khanty-Mansiysk Autonomous Okrug-Ugra
 "Surgut State University"

Approved by
 Deputy Rector for Academic Affairs

_____ E.V. Konovalova

“13” June 2024, Record No. 5

Hospital Therapy, Endocrinology

Syllabus

Department **Internal diseases**

Curriculum s310501-ЛечДелоИН-24-5.plx
 Specialty 31.05.01 General Medicine

Qualification **General Practitioner**

Form of education **Full-time**

Total (in credits) **15**

Total academic hours 540

including:

Contact 368

Self-study 145

Control hours 27

Control:

Credit, term 10 th

Exam, term 12 th

— Course outline in terms

| Academic year (Term) | 5 (5.9) | | 5 (5.A) | | 6 (6.B) | | 6 (6.C) | | Total | |
|-------------------------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|------------|------------|
| | 19 | | 21 | | 19 | | 21 | | | |
| Types of classes | Cur | Syl | Cur | Syl | Cur | Syl | Cur | Syl | Cur | Syl |
| Lectures | 16 | 16 | 32 | 32 | 16 | 16 | 16 | 16 | 80 | 80 |
| Practical | 64 | 64 | 80 | 80 | 80 | 80 | 64 | 64 | 288 | 288 |
| Contact | 80 | 80 | 112 | 112 | 96 | 96 | 80 | 80 | 368 | 368 |
| Self-study | 28 | 28 | 32 | 32 | 48 | 48 | 37 | 37 | 145 | 145 |
| Control hours | | | | | | | 27 | 27 | 27 | 27 |
| Total | 108 | 108 | 144 | 144 | 144 | 144 | 144 | 144 | 540 | 540 |

The Syllabus is compiled by:

Associate Professor, PhD in Medical Sciences (Medicine), Kushnikova I.P.

Associate Professor, PhD in Medical Sciences (Medicine), Frolenkova L.A.

The Syllabus

Hospital therapy, endocrinology

Developed in accordance with Federal State Educational Standard:

Federal State Educational Standard of higher education in the specialty 31.05.01 General medicine (Order of the Ministry of Education and Science of the Russian Federation on February 9, 2016 No. 95)

Based on the Curriculum:

31.05.01 GENERAL MEDICINE

Specialization: General Medicine

Approved by the Academic Council of Surgut State University, "13 " June 2024, Record No. 5

The Syllabus was approved by the department

Internal disease

"23 " April 2024, Record No. 10

Head of Department, Doctor of Medicine, Professor Ariamkina O.L.

| 1. COURSE OBJECTIVES | |
|-----------------------------|---|
| 1.1 | The aim is to acquire scientific knowledge on the etiology, pathogenesis, diagnostics, differential diagnostics, rational pharmacotherapy, rehabilitation and prevention of major visceral diseases and the development of clinical thinking among students; to complete the educational programme; to prepare for the state final certification, develop professional competencies required within the General Practitioner's professional activity; to prepare for therapeutic and preventive work under the supervision of a General Practitioner; to prepare for further postgraduate education. |
| 1.2 | The aim of studying the 'Endocrinology' module is to master the principles and methods of differential diagnostics and treatment of major syndromes and diseases of the endocrine system, to form the necessary amount of knowledge and practical skills among the students for independent work in the institutions of hospital care, to develop the students' interdisciplinary thinking in order to form professional competencies required within the General Practitioner's professional activity. |

| 2. COURSE OVERVIEW | |
|---|---|
| Course code (in curriculum) | Б1.Б.36 |
| 2.1 | Assumed background: |
| 2.1.1 | Internal Diseases Propaedeutics, X-Ray Diagnostics |
| 2.1.2 | Hominal Physiology |
| 2.1.3 | Biochemistry |
| 2.1.4 | Pharmacology |
| 2.1.5 | Faculty Therapy, Professional Diseases |
| 2.1.6 | Histology, Embriology, Cytology |
| 2.1.7 | Clinical Pathophysiology |
| 2.1.8 | Clinical Pathologic Anatomy |
| 2.1.9 | Pathologic Anatomy |
| 2.1.10 | Pathophysiology |
| 2.2 | Post requisites: |
| 2.2.1 | Functional Diagnostics |
| 2.2.2 | Obstetrics and Gynecology |
| 2.2.3 | Hospital Surgery, Paediatric Surgery |
| 2.2.4 | Ambulatory Therapy |
| 2.2.5 | Professional Practice, Clinical Practice, General Practitioner Assistant (outpatient) |
| 2.2.6 | Clinical Pharmacology |
| 2.2.6 | Medical Rehabilitation |
| 2.2.7 | Preparation for and passing the state exam |
| 3. COMPETENCIES UPON COMPLETION OF THE COURSE (MODULE) | |
| GCC-1: ability to abstract thinking, analysis, synthesis | |
| GPC-6: readiness to keep medical records | |
| PC-5: willingness to collect and analyze patient's complaints, their medical history, examination results, laboratory, instrumental, pathological and other studies in order to identify the condition or establish the presence or absence of the disease | |
| PC-6: the ability to determine the patient's main pathological conditions, symptoms, disease syndromes, nosological forms in accordance with the International Statistical Classification of Diseases and Problems Related to Health, X revision | |
| PC-8: the ability to determine the tactics of managing patients with various nosological forms | |

PC-10: readiness to provide medical care for sudden acute diseases, conditions, exacerbation of chronic diseases that are not accompanied by a threat to the patient's life and do not require emergency medical care

As a result of mastering the discipline, the student must

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| 3.1 | know: |
| 3.1.1 | <p>significant problems and processes; rules of keeping medical records; main pathological symptoms and clinical and laboratory syndromes in a clinical setting; clinical symptoms and pathogenesis of major diseases, their prevention, diagnostics and treatment, clinical symptoms of borderline states; outlines and principles of pharmacological and non-pharmacological therapy, physiotherapy, physical therapy and medical monitoring, indications for surgical treatment of somatic pathology; basics of rational diet therapy; modern methods of clinical and laboratory diagnostics and treatment in accordance with the standards and clinical protocols of performance in practice; principles of differential diagnosis between most common pathologies and clinically similar diseases; principles of treatment and prevention of diseases; side effects of medicines; emergency medical care in life-threatening conditions; indications for patients' hospital admission; the basic principles of treatment of various populations with different nosologies; the characteristics of anamnesis of endocrinological patients, basic and advanced methods of examination (according to ICD); fundamentals of deontology and medical ethics; etiology, pathogenesis, diagnostics of endocrine diseases (in accordance with the International Statistical Classification of Diseases), the principles of diagnostics between most common pathologies and clinically similar diseases; the scope of emergency therapeutic care in life-threatening conditions; rules of drug inventory and principles of drug provision for endocrine patients; principles of treatment of endocrine pathology; main principles of treatment of various population groups with different nosologies.</p> |
| 3.2 | be able to: |
| 3.2.1 | <p>analyze socially significant processes; keep medical records; carry out a survey, physical examination, clinical examination, interpret the results of laboratory and instrumental examination; interpret the results laboratory and instrumental methods of research; determine a diagnosis according to the International Classification of Diseases on the basis of data from the main and additional research methods; perform basic and additional research methods to clarify the diagnosis; develop a patient examination programme; determine a detailed clinical diagnosis based on the data obtained during the examination, determine the activity and the stage of the pathological process; assign treatment to the patient, taking into account knowledge of the etiology, the pathogenesis of the disease (etiological, pathogenetic treatment, basic and adjuvant therapy, symptomatic treatment); develop specific measures for the secondary prevention and rehabilitation therapy of the supervised patient; file medical records; the basic principles of treatment of various populations with different nosologies; interpret the results of laboratory and instrumental examinations; perform basic and additional methods of examination for endocrine diseases (general clinical, hormonal, instrumental and radiological) to clarify the diagnosis, to carry out diagnostic tests for differential diagnostics; interpret the results of laboratory and instrumental methods of research; determine a diagnosis according to the International Classification of Diseases on the basis of data from the main and additional research methods; perform basic and additional research methods to clarify the diagnosis; use regulations on endocrinology in medical practice; predict the need for drugs; to determine the indications for the use of hormonal and other drugs for endocrine diseases; assess the adequacy of hormone therapy.</p> |
| 4. STRUCTURE AND CONTENTS OF THE COURSE (MODULE) | |

| Class Code | Topics/Class type | Term / Academic year | Academic hours | Competences | Literature | Inter active | Notes |
|------------|---|----------------------|----------------|---------------------------------------|---|--------------|-------|
| | Section 1. Respiratory diseases | | | | | | |
| 1.1 | Emphysema. Chronic obstructive pulmonary disease (COPD). Pulmonary heart / practical classes | 9 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1. L 2.1. L 2.2. L 3.1. ፳፯ ፳፭ ፳፮ ፳፱ | 0 | |
| | Section 2. Diseases of the cardiovascular system | | | | | | |
| 2.1 | Myocarditis. Pericarditis / practical classes | 9 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1. L 2.1. L 2.2. L 3.1 ፳፮ ፳፯ ፳፰ ፳፱ | 0 | |
| 2.2 | Myocarditis. Pericarditis / self-study | 9 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1. L 2.1. L 3.1 ፳፯ ፳፮ ፳፯ ፳፱ | 0 | |
| 2.3 | Cardiomyopathy: primary, secondary / self-study | 9 | 2 | GCC-1, GPC-6, PC-5 | L 1.1. ፳፮ ፳፯ ፳፰ ፳፱ | 0 | |
| 2.4 | Cardiomyopathy: primary, secondary / practical classes | 9 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1. L 2.1. L 2.2. L 3.1 ፳፮ ፳፯ ፳፰ ፳፱ | 0 | |
| 2.5 | Heart rhythm disorders (arrhythmias) / practical classes | 9 | 8 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1. L 2.1. L 2.2. L 3.1 ፳፮ ፳፯ ፳፰ ፳፱ | 2 | |
| 2.6 | Heart rhythm disorders (arrhythmias) / self-study | 9 | 4 | PC-5, PC-8 | L 1.1. L 2.1. ፳፮ ፳፯ ፳፰ ፳፱ | 0 | |
| 2.7 | Symptomatic arterial hypertension / self-study | 9 | 2 | GCC-1, GPC-6, PC-5 | L 1.1. L 2.1. ፳፮ ፳፯ ፳፰ ፳፱ | 0 | |
| 2.8 | Myocarditis. Pericarditis / lecture | 9 | 2 | PC-5, PC-6 | L 1.1. ፳፮ ፳፯ ፳፰ ፳፱ | 0 | |
| 2.9 | Heart rhythm disorders (arrhythmias) / lecture | 9 | 2 | GCC-1, GPC-6, PC-5 | L 1.1. ፳፮ ፳፯ ፳፰ ፳፱ | 0 | |
| 2.10 | Symptomatic arterial hypertension / practical classes | 9 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1. L 2.1. L 3.1 ፳፮ ፳፯ ፳፰ ፳፱ | 0 | |
| 2.11 | Congenital heart defects in adults / practical classes | 9 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1. L 2.1. L 2.2. L 3.1 ፳፮ ፳፯ ፳፰ ፳፱ | 4 | |

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| 2.12 | Conduction abnormalities / lecture | 9 | 2 | GCC-1, PC-5, PC-6 | L 1.1. ᠑5 ᠑6 ᠑7 ᠑9 | 0 | |
| 2.13 | Conduction abnormalities / practical classes | 9 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1. L 2.1. L 2.2. L 3.1 ᠑5 ᠑6 ᠑7 ᠑9 | 0 | |
| | Section 3. Rheumatological diseases | | | | | | |
| 3.1 | Diffuse diseases of the connective tissue. Systemic lupus erythematosus. Systemic scleroderma. Dermatomyositis / lecture | 9 | 2 | GCC-1, GPC-6, PC-5 | L 1.2 L 2.1. ᠑4 ᠑6 ᠑7 ᠑9 | 0 | |
| 3.2 | Diffuse diseases of the connective tissue. Systemic lupus erythematosus. Systemic scleroderma. Dermatomyositis / practical classes | 9 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. L 3.1 ᠑4 ᠑6 ᠑7 ᠑9 | 0 | |
| 3.3 | Joint diseases. Rheumatoid arthritis. Gout. Osteoarthritis. Ankylosing Spondylitis / lecture | 9 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2. ᠑4 ᠑6 ᠑7 ᠑9 | 0 | |
| 3.4 | Joint diseases. Rheumatoid arthritis. Gout. Osteoarthritis. Ankylosing Spondylitis / practical classes | 9 | 8 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. L 3.1 ᠑4 ᠑6 ᠑7 ᠑9 | 0 | |
| 3.4 | Joint diseases. Rheumatoid arthritis. Gout. Osteoarthritis. Ankylosing Spondylitis / self-study | 9 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. L 3.1 ᠑4 ᠑6 ᠑7 ᠑9 | 0 | |
| 3.5 | Systemic vasculitis / lecture | 9 | 2 | GCC-1, GPC-6, PC-5 | L 1.2. ᠑4 ᠑6 ᠑7 ᠑9 | 0 | |
| 3.6 | Systemic vasculitis / practical classes | 9 | 4 | PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. L 3.1 ᠑4 ᠑6 ᠑7 ᠑9 | 0 | |
| 3.7 | Systemic vasculitis / self-study | 9 | 4 | GCC-1, GPC-6, PC-5 | L 1.2 L 2.1. L 3.1. ᠑4 ᠑5 ᠑6 ᠑9 | 0 | |
| | Section 4. Urinary System diseases | | | | | | |
| 4.1 | Nephrotic syndrome. Amyloidosis. Chronic pyelonephritis / self-study | 9 | 2 | GCC-1, GPC-6, PC-5, PC-6 | L 1.2. ᠑1 ᠑6 ᠑7 ᠑9 | 0 | |

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| 4.2 | Nephrotic syndrome. Amyloidosis. Chronic pyelonephritis / practical classes | 9 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. L 3.1 ᠑1 ᠑6 ᠑7 ᠑9 | 0 | |
| 4.3 | Renal failure. Chronic kidney disease (CKD). Acute kidney damage (AKI) / lecture | 9 | 2 | GCC-1, GPC-6, PC-5 | L 1.2. ᠑6 ᠑7 ᠑9 | 0 | |
| 4.4 | Renal failure. Chronic kidney disease (CKD). Acute kidney damage (AKI) / self-study | 9 | 4 | GCC-1, GPC-6, PC-5 | L 1.2 L 2.1. L 2.2. L 3.1 ᠑1 ᠑6 ᠑7 ᠑9 | 0 | |
| 4.5 | Renal failure. Chronic kidney disease (CKD). Acute kidney damage (AKI) / practical classes | 9 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. L 3.1 ᠑1 ᠑5 ᠑6 ᠑9 | 0 | |
| Section 5. Diseases of the gastrointestinal tract | | | | | | | |
| 5.1 | Inflammatory bowel disease. Ulcerative colitis. Crohn's disease / lecture | 9 | 2 | GCC-1, GPC-6, PC-6 | L 1.2. ᠑6 ᠑7 ᠑9 | 0 | |
| 5.2 | Inflammatory bowel disease. Ulcerative colitis. Crohn's disease / practical classes | 9 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. L 3.1 ᠑6 ᠑7 ᠑9 | 0 | |
| 5.3 | Inflammatory bowel disease/ Ulcerative colitis. Crohn's disease / self-study | 9 | 4 | GCC-1, GPC-6, PC-5 | L 1.2. ᠑6 ᠑7 ᠑9 | 0 | |
| 5.4 | Final lesion. Writing educational history of the disease / practical classes | 9 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. | 0 | Control work |
| Section 6. Hematology diseases | | | | | | | |
| 6.1 | Anemia / practical classes | 10 | 8 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. ᠑3 ᠑6 ᠑7 ᠑9 | 0 | |
| 6.2 | Anemia / lecture | 10 | 4 | GCC-1, GPC-6, PC-5 | L 1.2. ᠑3 ᠑6 ᠑7 ᠑9 | 0 | |
| 6.3 | Hemoblastosis: acute leukemia / practical classes | 10 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. ᠑3 ᠑6 ᠑7 ᠑9 | 0 | |
| 6.4 | Hemoblastosis: chronic leukemia / lecture | 10 | 2 | GCC-1, GPC-6, PC-5 | L 1.2. ᠑3 ᠑6 ᠑7 ᠑9 | 0 | |
| 6.5 | Hemoblastosis: chronic leukemia / practical classes | 10 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. ᠑3 ᠑6 ᠑7 ᠑9 | 0 | |

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| 6.6 | Hemorrhagic diathesis / lecture | 10 | 2 | GCC-1, GPC-6 | L 1.2. ᠑3 ᠑6 ᠑7 ᠑9 | 0 | |
| 6.7 | Hemorrhagic diathesis / self-study | 10 | 4 | PC-5, PC-6 | L 1.2 L 2.1. L 2.2. ᠑3 ᠑7 ᠑9 | 0 | |
| 6.8 | Hemorrhagic diathesis / practical classes | 10 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. ᠑3 ᠑6 ᠑7 ᠑9 | 2 | |
| 6.9 | The concept of paraproteinemic hemoblastosis. Myeloma / lecture | 10 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2. ᠑3 ᠑6 ᠑7 ᠑9 | 0 | |
| 6.10 | The concept of paraproteinemic hemoblastosis. Myeloma / practical classes | 10 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. ᠑3 ᠑6 ᠑7 ᠑9 | 0 | |
| 6.11 | Lymphomas. Lymphogranulomatosis / lecture | 10 | 2 | GCC-1, GPC-6, PC-5 | L 1.2. ᠑3 ᠑6 ᠑7 ᠑9 | 0 | |
| 6.12 | Lymphomas. Lymphogranulomatosis / practical classes | 10 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2.. ᠑3 ᠑6 ᠑7 ᠑9 | 0 | |
| 6.13 | Lymphomas. Lymphogranulomatosis /self-study | 10 | 6 | GCC-1, GPC-6, PC- | L 1.2 L 2.1. L 2.2. ᠑3 ᠑6 ᠑7 ᠑9 | 0 | |
| 6.14 | Anemia / self-study | 10 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. ᠑3 ᠑6 ᠑7 ᠑9 | 0 | |
| | Section 7. Endocrinological diseases | | | | | | |
| 7.1 | Diabetes mellitus: etiology, pathogenesis, clinic, diagnosis / lecture | 10 | 2 | GCC-1, GPC-6, PC-5, PC-6 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |
| 7.2 | Diabetes mellitus: etiology, pathogenesis, clinic, diagnosis / self-study | 10 | 6 | GCC-1, GPC-6, PC-5, PC-6 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |
| 7.3 | Diabetes mellitus: etiology, pathogenesis, clinic, diagnosis / practical classes | 10 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 2 | |
| 7.4 | Diabetes treatment / lecture | 10 | 2 | GPC-6, PC-5, PC-6 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |
| 7.5 | Diabetes treatment / practical classes | 10 | 8 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |

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|------|--|----|---|---------------------------------------|-----------------------|---|--|
| 7.6 | Chronic complications of diabetes / lecture | 10 | 4 | GCC-1, GPC-6, PC-5 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |
| 7.7 | Chronic complications of diabetes / practical classes | 10 | 8 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |
| 7.8 | Acute complications of diabetes / practical classes | 10 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |
| 7.9 | Acute complications of diabetes / lecture | 10 | 2 | GCC-1, GPC-6, PC-5 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |
| 7.10 | Issues of classification of thyroid diseases. Thyrotoxicosis syndrome (diffuse toxic goiter, toxic adenoma, multinodular toxic goiter) / lecture | 10 | 2 | GCC-1, GPC-6, PC-5, PC-6 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |
| 7.11 | Issues of classification of thyroid diseases. Thyrotoxicosis syndrome (diffuse toxic goiter, toxic adenoma, multinodular toxic goiter) / practical classes | 10 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 2 | |
| 7.12 | Euthyroid goiter. Autoimmune thyroiditis. Hypothyroidism. / lecture | 10 | 2 | GCC-1, GPC-6, PC-5 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |
| 7.13 | Euthyroid goiter. Autoimmune thyroiditis. Hypothyroidism. / practical classes | 10 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |
| 7.14 | Euthyroid goiter. Autoimmune thyroiditis. Hypothyroidism. / self-study | 10 | 4 | GPC-6, PC-5, PC-6 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |
| 7.15 | Hypercorticism: Disease and Itsenko-Cushing syndrome classification; etiology, pathogenesis, clinic, diagnostics (laboratory and nosological), treatment / lecture | 10 | 2 | GCC-1, PC-5, PC-6 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |
| 7.16 | Hypercorticism: Disease and Itsenko-Cushing syndrome classification; etiology, pathogenesis, clinic, diagnostics (laboratory and nosological), treatment / self-study | 10 | 4 | GPC-6, PC-5, PC-6 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |

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| 7.17 | Hypercorticoïdism: Disease and Itsenko-Cushing syndrome classification; etiology, pathogenesis, clinic, diagnostics (laboratory and nosological), treatment / practical classes | 10 | 8 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.3. ᄆ ᄇ ᄈ ᄉ | 0 | |
| 7.18 | Hypocorticoïdism: chronic adrenal insufficiency; acute adrenal insufficiency. Pheochromocytoma. Adrenal incidence of breakthroughs / practical classes | 10 | 8 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.3. ᄆ ᄇ ᄈ ᄉ | 0 | |

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|------|---|----|----|---------------------------------------|---------------------------------------|---|--------------|
| 7.19 | Hypocorticoïdism: chronic adrenal insufficiency; acute adrenal insufficiency. Pheochromocytoma. Adrenal incidence of breakthroughs / lecture | 10 | 2 | GCC-1, PC-5, PC-6 | L 1.3. ᄆ ᄇ ᄈ ᄉ | 0 | |
| 7.20 | Diseases of the hypothalamic-pituitary system: pituitary nanism; acromegaly and gigantism, diabetes insipidus / lecture | 10 | 2 | GPC-6, PC-5, PC-6 | L 1.3. ᄆ ᄇ ᄈ ᄉ | 0 | |
| 7.21 | Diseases of the hypothalamic-pituitary system: pituitary nanism; acromegaly and gigantism, diabetes insipidus / practical classes | 10 | 3 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.3. ᄆ ᄇ ᄈ ᄉ | 0 | |
| 7.22 | Diseases of the hypothalamic-pituitary system: pituitary nanism; acromegaly and gigantism, diabetes insipidus / self-study | 10 | 5 | GCC-1, GPC-6, PC-5, PC-6 | L 1.3. ᄆ ᄇ ᄈ ᄉ | 0 | |
| 7.23 | Control work /Control / | 10 | 0 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.3. | | Control work |
| | Credit | 10 | 0 | | | | |
| | Section 8. Pulmonology | | | | | | |
| 8.1 | Differential diagnosis and treatment guidelines for broncho-obstructive syndrome / lecture | 11 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1. ᄂ ᄃ ᄄ ᄅ | 0 | |
| 8.2 | Differential diagnosis and treatment guidelines for broncho-obstructive syndrome / practical classes | 11 | 12 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1. L 2.1. L 2.2. ᄂ ᄃ ᄄ ᄅ | 0 | |

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| 8.3 | Differential diagnosis and treatment guidelines for broncho-obstructive syndrome / self-study | 11 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1. ፳፯ ፳፭ ፳፮ ፳፱ | 0 | |
| 8.4 | Differential diagnostics and treatment of pulmonary embolism / practical classes | 11 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1 L 2.1. L 2.2. ፳፯ ፳፮ ፳፯ ፳፱ | 0 | |
| 8.5 | Differential diagnostics and treatment of pulmonary embolism / self-study | 11 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1 L 2.1. L 2.2. ፳፯ ፳፮ ፳፯ ፳፱ | 0 | |
| 8.6 | Differential diagnostics and treatment of focal lung diseases / lecture | 11 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1. ፳፯ ፳፮ ፳፯ ፳፱ | 0 | |
| 8.7 | Differential diagnostics and treatment of focal lung diseases / practical classes | 11 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1 L 2.1. L 2.2. ፳፯ ፳፮ ፳፯ ፳፱ | 2 | |
| 8.8 | Differential diagnostics and treatment of focal lung diseases / self-study | 11 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1 L 2.1. L 2.2. ፳፯ ፳፮ ፳፯ ፳፱ | 0 | |
| | Section 9. Cardiology | | | | | | |
| 9.1 | Differential diagnostics of heart failure / lecture | 11 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1. ፳፮ ፳፯ ፳፱ ፳፱ | 0 | |
| 9.2 | Differential diagnostics of hypertension / practical classes | 11 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1 L 2.1. L 2.2.፳፮ ፳፯ ፳፱ ፳፱ | 0 | |
| 9.3 | Differential diagnostics of heart failure / practical classes | 11 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1 L 2.1. L 2.2.፳፮ ፳፯ ፳፱ ፳፱ | 2 | |
| 9.4 | Differential diagnostics of heart failure / self-study | 11 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1 L 2.1. L 2.2.፳፮ ፳፯ ፳፱ ፳፱ | 0 | |
| 9.5 | Differential diagnostics of chest pains: features of coronary and noncoronary pains / lecture | 11 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1. ፳፮ ፳፯ ፳፱ ፳፱ | 0 | |
| 9.6 | Differential diagnostics of chest pains: features of coronary and noncoronary pains / practical classes | 11 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1 L 2.1. L 2.2. ፳፮ ፳፯ ፳፱ ፳፱ | 0 | |

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|------|---|----|----|--|---|---|--|
| 9.7 | Differential diagnostics of chest pains: features of coronary and noncoronary pains. / self-study | 11 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1 L 2.1. L 2.2.35 36 37 39 | 0 | |
| 9.8 | Differential diagnostics of cardiac arrhythmias and conduction disorders / lecture | 11 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1. 35 36 37 39 | 0 | |
| 9.9 | Differential diagnostics of cardiac arrhythmias and conduction disorders / practical classes | 11 | 12 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1 L 2.1. L 2.2.35 36 37 39 | 0 | |
| 9.10 | Differential diagnostics of cardiac arrhythmias and conduction disorders / self-study | 11 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1 L 2.1. L 2.2.35 36 37 39 | 0 | |
| 9.11 | Differential diagnostics of myocardial diseases: myocarditis, primary and secondary cardiomyopathy / lecture | 11 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2. 35 36 37 39 | 0 | |
| 9.12 | Differential diagnostics of myocardial diseases: myocarditis, primary and secondary cardiomyopathy / practical classes | 11 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.1 L 2.1. L 2.2.35 36 37 39 | 2 | |
| | Section 10. Nephrology | | | | | | |
| 10.1 | Differential diagnosis of kidney damage syndromes / lecture | 11 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2. 31 34 35 36 37 38 39 | 0 | |
| 10.2 | Differential diagnosis of kidney damage syndromes / practical classes | 11 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2.31 34 35 36 37 38 39 | 0 | |
| 10.3 | Differential diagnostics and treatment of edema syndrome / practical classes | 11 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2.31 35 36 37 39 | 0 | |
| 10.4 | Differential diagnostics and treatment of edema syndrome / self-study | 11 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2.31 35 36 37 39 | 0 | |
| 10.5 | Differential diagnostics and treatment of renal failure / practical classes | 11 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2.31 36 37 39 | 2 | |
| 10.6 | Differential diagnostics and treatment of renal failure / self-study | 11 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2.31 36 37 39 | 0 | |

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|------|--|----|---|--|---|----------|--------------|
| | Section 11. Related sections | | | | | | |
| 11.1 | Features of the course and treatment of visceral diseases in special groups of patients (pregnant, elderly) / lecture | 11 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2. Э1 Э2 Э3 Э4 Э5 Э6 Э7 Э8 Э9 | 0 | |
| 11.2 | Features of the course and treatment of visceral diseases in special groups of patients (pregnant, elderly) / practical classes | 11 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. Э1 Э2 Э3 Э4 Э5 Э6 Э7 Э8 | 0 | Control work |
| 11.3 | Features of the course and treatment of visceral diseases in special groups of patients (pregnant, elderly) / self-study | 11 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. Э5 Э6 Э7 Э9 | 0 | |
| 11.4 | Final lesson. Writing educational history of the disease / self-study | 11 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2. Э1 Э2 Э3 Э4 Э5 Э6 Э7 Э8 Э9 | 0 | |
| | Section 12. Gastroenterology | | | | | | |
| 12.1 | Differential diagnostics of hepatomegaly and hepatolienal syndrome. / lecture | 12 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 Э6 Э7 Э9 Э10 | 0 | |
| 12.2 | Differential diagnostics of hepatomegaly and hepatolienal syndrome / practical classes | 12 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2.Э6 Э7 Э9 Э10 | 0 | |
| 12.3 | Differential diagnostics of hepatomegaly and hepatolienal syndrome / self-study | 12 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. Э6 Э7 Э9 Э10 | 0 | |
| 12.4 | Differential diagnostics of the syndrome of esophageal, gastric and intestinal dyspepsia / lecture | 12 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2. Э6 Э7 Э9 Э10 | 0 | |
| 12.5 | Differential diagnostics of the syndrome of esophageal, gastric and intestinal dyspepsia / practical classes | 12 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2.Э6 Э7 Э9 Э10 | 0 | |
| 12.6 | Differential diagnostics of the syndrome of esophageal, gastric and intestinal dyspepsia / self-study | 12 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2.Э6 Э7 Э9 Э10 | 0 | |
| 12.7 | Differential diagnostics and treatment of abdominal pain / practical classes | 12 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2.Э6 Э7 Э9 Э10 | 0 | |

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| 12.8 | Differential diagnostics and treatment of abdominal pain / self-study | 12 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2.᠑6 ᠑7 ᠑9 ᠑10 | 0 | |
| | Section 13. Hematology | | | | | | |
| 13.1 | Differential diagnostics of lymphadenopathy and splenomegaly / lecture | 12 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2. ᠑3 ᠑6 | 0 | |
| 13.2 | Differential diagnostics of lymphadenopathy and splenomegaly / self-study | 12 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2.᠑3 ᠑6 | 0 | |
| 13.3 | Differential diagnostics and treatment of diseases manifested by hemorrhagic syndrome / practical classes | 12 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2.᠑3 | 0 | |
| 13.4 | Differential diagnostics and treatment of diseases manifested by hemorrhagic syndrome / self-study | 12 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. ᠑3 | 0 | |
| 13.5 | Differential diagnostics and treatment of hemoblastosis / practical classes | 12 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. ᠑3 | 0 | |
| 13.6 | Differential diagnostics and treatment of hemoblastosis / self-study | 12 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. ᠑3 | 0 | |
| 13.7 | Diagnostics, treatment and prevention of thrombosis / lecture | 12 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2. ᠑3 ᠑5 ᠑6 ᠑7 ᠑9 | 0 | |
| 13.8 | Diagnostics, treatment and prevention of thrombosis / practical classes | 12 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. ᠑3 ᠑5 ᠑6 ᠑7 ᠑9 | 0 | |
| 13.9 | Diagnostics, treatment and prevention of thrombosis / self-study | 12 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2. ᠑3 ᠑5 ᠑6 ᠑7 ᠑9 | 0 | |
| | Section 14. Endocrinology | | | | | | |
| 14.1 | Differential diagnostics of diseases manifested by hypothyroidism and thyrotoxicosis / lecture | 12 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |

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|-------------------------------------|---|----|---|---------------------------------------|--|---|--|
| 14.2 | Differential diagnostics of diseases manifested by hypothyroidism and thyrotoxicosis / practical classes | 12 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |
| 14.3 | Differential diagnostics of diseases manifested by hypothyroidism and thyrotoxicosis / self-study | 12 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.3. L 3.1 ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |
| 14.4 | Differential diagnosis of hyperglycemia and glycosuria / lecture | 12 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |
| 14.5 | Differential diagnosis of hyperglycemia and glycosuria / practical classes | 12 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.3. ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |
| 14.6 | Differential diagnosis of hyperglycemia and glycosuria / self-study | 12 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 3.1 | 0 | |
| Section 15. Rheumatology | | | | | | | |
| 15.1 | Differential diagnostics of joint damage / lecture | 12 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2. ᠑4 ᠑6 ᠑7 ᠑9 | 0 | |
| 15.2 | Differential diagnostics of joint damage / practical classes | 12 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. ᠑4 ᠑6 ᠑7 ᠑9 | 2 | |
| 15.3 | Differential diagnostics of joint damage / self-study | 12 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. ᠑4 ᠑6 ᠑7 ᠑9 | 0 | |
| 15.4 | Differential diagnostics and treatment of systemic connective tissue diseases / practical classes | 12 | 6 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. ᠑4 ᠑6 ᠑7 ᠑9 | 0 | |
| 15.5 | Differential diagnostics and treatment of systemic connective tissue diseases / self-study | 12 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. L 3.1 ᠑4 ᠑6 ᠑7 ᠑9 | 0 | |
| Section 16. Related sections | | | | | | | |
| 16.1 | Differential diagnostics of fever / lecture | 12 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2. ᠑6 ᠑7 ᠑9 | 0 | |
| 16.2 | Differential diagnostics of fever / practical classes | 12 | 4 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. L 3.1 ᠑6 ᠑7 ᠑9 | 0 | |

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| 16.3 | Differential diagnostics of fever / self-study | 12 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. L 3.1 ᠑6 ᠑7 ᠑9 | 0 | |
| 16.4 | Paraneoplastic syndromes in the clinic of internal diseases / self-study | 12 | 2 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. ᠑1 ᠑3 ᠑4 ᠑6 ᠑7 ᠑8 ᠑9 | 0 | |
| 16.5 | Writing an educational history of the disease / self-study | 12 | 3 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2 L 2.1. L 2.2. L 3.1 ᠑1 ᠑2 ᠑3 ᠑4 ᠑5 ᠑6 ᠑7 ᠑8 | 0 | |
| 16.6 | Control work /Control / | 12 | 0 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | L 1.2. | 0 | Control work |
| 16.7 | Exam | 12 | 27 | GCC-1, GPC-6, PC-5, PC-6, PC-8, PC-10 | | 0 | oral quiz, case-study |

5. ASSESSMENT TOOLS

5.1. Tests and tasks

Presented by a single document

5.2. Topics for written papers

Presented by a single document

6. COURSE (MODULE) RESOURCES

6.1. Recommended Literature

6.1.1. Core

| | Authors | Title | Publish., year | Quantity |
|--------|--|-----------------------------|---------------------|----------|
| L 1.1. | Martynov A.I. ; Kobalava Z.D. ; Moiseev S.V. | Internal diseases/ Volume 1 | Electronic resource | 1 |
| L 1.2. | Martynov A.I. ; Kobalava Z.D. ; Moiseev S.V. | Internal diseases/ Volume 2 | Electronic resource | 1 |
| L 1.3 | Dedov I.I. ; Melnichenko G.A. ; Fadeev V.V. | Endocrinology | Electronic resource | 1 |

6.1.2. Supplementary

| | Authors | Title | Publish., year | Quantity |
|-------|-------------------------------------|---|--|----------|
| L 2.1 | Arkhipov. V., Baleeva L. V. etc. | Patient management tactics in therapy : a practical guide | Moscow : GEOTAR-Media, 2023-306, [1] p. Electronic resource | 1 |

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|---|--|--|-------------------------------------|----------|
| L 2.2 | Shavarova E.K., Efremovtseva, M.A., Troitskaya E.A. and etc. | Clinical Cases in Internal Diseases Specialty | Electronic resource | 1 |
| 6.1.3. Methodical development | | | | |
| | Authors | Title | Publish., year | Quantity |
| L 3.1 | Kushnikova I.P. | Situational tasks for internal diseases : methodological recommendations | Surgut, 2023 Electronic resource | 1 |
| 6.2. Internet resources | | | | |
| Э1 | Kidney Disease: Improving Global Outcomes - https://kdigo.org/ | | | |
| Э2 | European Respiratory Society - https://www.ersnet.org/ | | | |
| Э3 | The European Hematology Association - https://ehaweb.org/ | | | |
| Э4 | Research Institute named after V.A. Nasonov - https://rheumatolog.su/ | | | |
| Э5 | European Society of Cardiology - https://www.escardio.org/ | | | |
| Э6 | Journal "Consilium medicum" - https://consilium.orscience.ru/en/ | | | |
| Э7 | FreeMedicalJournals - http://www.freemedicaljournals.com/ | | | |
| Э8 | ENDOCRINOLOGICAL SCIENTIFIC CENTER OF THE MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION - https://www.endocrincentr.ru | | | |
| Э9 | Educational Resource for Doctors Dia Academy - https://diaacademy.co.uk/ | | | |
| Э10 | United European Gastroenterology - https://ueg.eu/ | | | |
| 6.3.1 Software | | | | |
| 6.3.1.1 | Operational System Microsoft, applied programs pack Microsoft Office | | | |
| 6.3.2 Information Referral systems | | | | |
| 6.3.2.1 | http://www.garant.ru | | | |
| 6.3.2.2 | http://www.consultant.ru | | | |
| 7. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE (MODULE) | | | | |
| 7.1 | Classrooms for lecture classes, practical classes, group and individual consultations, current control and interim examination are equipped with: typical educational furniture, technical teaching aids, employees for the presentation of educational information | | | |
| 7.2 | Practical classes, individual consultations, current control and interim control are held in the classroom of the Department of Internal Diseases of the MI based on SOKB platform | | | |
| 7.3 | Simulation and training accreditation center MI SurGU | | | |
| 7.4 | The room of the simulation center MI, is equipped with phantom and simulation equipment, laboratory tools and consumables in sufficient quantity | | | |
| 7.5 | Multimedia Projector | | | |
| 7.6 | Library of laboratory and instrumental research results | | | |
| 7.7 | Roles for standardized patients | | | |
| 7.8 | Library of case-studies | | | |
| 7.9 | Clinical Script Library | | | |
| 7.10 | Evaluation library | | | |
| 7.11 | The classroom for lectures is equipped with: multimedia projector, screen, laptop, stationary educational blackboard, typical educational furniture: tables, chairs. | | | |
| 7.12 | Classrooms have a material and technical equipment that provides for all types of disciplinary and interdisciplinary training, practical and research work of students as stated in the work program, and complies with current sanitary and fire regulations and standards. | | | |